

# ALINCO

Quality. Style. Performance!



VHF/UHF DUALBAND DMR Transceiver

DJ-MD5XTG FC IC

DJ-MD5XEG CE



**"X" stands for X-TREME.**  
**Featuring APRS and**  
**Auto Repeater**  
**Roaming!**

■ Built-in GPS receiver with APRS support

■ Automatic Repeater Roaming

■ Selectable output power 5W/2.5W/1W/0.2W

■ 4000 channels, 250 zones, 250 scan lists

■ 200,000 Digital contact list

■ Large full color LCD display



GPS Receiver  
Built-in



Real Two-slot  
DMR



Clear Voice &  
Powerful Audio



Digital Voice  
Recorder



Safety &  
Security



Plenty of  
Text Messages

## Versatile features

### Common to Digital and Analog modes



- Selectable output power 5W/2.5W/1W/0.2W
- 4000 channels, 250 zones, 250 scan lists
- Displays DMR ID, Call sign, Name and Geographical info
- VOX built-in
- Allows CSV export/import of setting parameters
- Easy import of DMR contact database (entire world wide)
- Single or dual channel selectable
- FM Broadcasting receiver with 100 memory channels and VFO
- Manually programmable Side and Hot keys
- Automatic date and time calibration by GPS

#### Area SQL function **NEW**

- When entering areas of your preference, it automatically switches to preassigned CH zone(s) and channels.

## Specifications

### General

|                                                     |                                                 |
|-----------------------------------------------------|-------------------------------------------------|
| Frequency Range                                     | 136 - 174MHz / 400 - 480MHz                     |
| Number of Channels                                  | 4000ch                                          |
| Zones per Radio                                     | 250 zone (MAX 250ch/zone)                       |
| Channel Spacing                                     | Analog : 12.5/25kHz<br>Digital : 12.5kHz        |
| Operating Voltage                                   | 7.4V DC nominal                                 |
| Operating Temperature Range                         | - 20°C to + 55°C (- 4 °F to + 131 °F)           |
| Frequency Stability                                 | ± 2.5ppm                                        |
| Antenna Impedance                                   | 50Ω                                             |
| Dimensions (W x H x D Approx.)<br>with battery pack | 59 x 118 x 40 mm<br>(2.32 x 4.65 x 1.57 inches) |
| Weight (Approx.) with EBP-88 Li-ion pack            | 256 g / 9.03 ounces                             |

### Transmitter

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| RF Power Output         | 5W / 2.5W / 1W / 0.2W                                     |
| Spurious Emission       | Less than 1GHz : - 36dBm<br>More than 1GHz : - 30dBm      |
| FM Hum & Noise (Analog) | 25kHz : 40dB<br>12.5kHz : 36dB                            |
| Modulation              | Analog : 16K0F3E / 11K0F3E<br>Digital : 7K60FXD / 7K60FXE |

### Receiver

|                                 |                                    |
|---------------------------------|------------------------------------|
| Sensitivity (Analog/12dB SINAD) | 25kHz : 0.25uV<br>12.5kHz : 0.35uV |
| Sensitivity (Digital/BER)       | 5% : 0.3uV<br>1% : 0.7uV           |
| FM Hum & Noise (Analog)         | 25kHz : 45dB<br>12.5kHz : 40dB     |
| Audio Distortion                | Less than 5%                       |
| Audio Output                    | 1000mW / 16Ω                       |

### Digital mode

- 10,000 Talk Groups, 250 Radio ID, 200,000 contact lists
- Displays the Caller ID and name
- 32 preset encryption codes plus 255 preset AES 256bit Encryption codes
- Selective calls including Individual, Group or All
- Digital Monitor function to receive signals without matching ID or color codes

### Analog mode

- Variety of signaling; CTCSS/DCS/DTMF/2-TONE/5-TONE encode and decode
- Four different Tone-burst tones
- Programmable Auto Repeater Shift in VFO mode

## Options



● Earphone Microphone (EME-56A)



● Speaker Microphone (EMS-76)



● Soft case (ESC-63)



● Compact size Li-ion Battery (EBP-87)  
DC 7.4V 1500mAh



● Large capacity Li-ion Battery (EBP-106)  
DC 7.2V 3250mAh

Attempted use with third parties' microphone voids warranty and may result in permanent damage to the radio.

## Standard Accessories

(A strap is included)

| Li-ion Battery Pack         | Li-ion Battery Charger | Antenna |
|-----------------------------|------------------------|---------|
| EBP-88<br>(DC 7.4V 1700mAh) | EDC-314                | EA-228  |

| AC Adaptor                               | Belt Clip | PC interface cable |
|------------------------------------------|-----------|--------------------|
| EDC-191T (120V)<br>or<br>EDC-191E (220V) | EBC-34    | ERW-21             |



Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

Authorized Dealer:



Please be sure to read the instruction manual before using the product for your safety.



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